

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Plummer et al.

Attorney Docket No.: SUN1P804/P5255

Application No.: New

Examiner: Unassigned

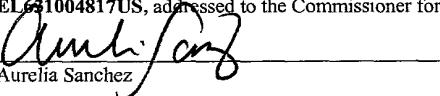
Filed: Herewith

Group: Unassigned

Title: METHOD AND APPARATUS FOR
ELIMINATING C RECURSION FROM A JAVA™
BYTECODE INTERPRETER

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on April 24, 2001 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number EL631004817US, addressed to the Commissioner for Patents, Washington, DC 20231.


Aurelia SanchezPRELIMINARY AMENDMENT

Commissioner for Patents
Box Patent Application
Washington, DC 20231

Dear Sir:

Prior to examination, please enter the following new claims.

IN THE CLAIMSPlease ADD the following new claims.

12. A computer program product for substantially eliminating C recursion from the execution of static initializer methods in a virtual machine environment, comprising:

computer code for rewriting native C code associated with a static initializer as a Java™ method;

computer code for using a transition frame in a Java™ stack to execute the Java™ method;

computer code for using a native method to manipulate the Java™ stack;

computer code for using a first opcode in the transition frame; and

a computer readable medium for storing the computer program product.

13. A computer program product as recited in claim 12 wherein using the first opcode in the transition frame includes using the first opcode to determine that the transition frame is associated with the static initializer.

14. A computer program product as recited in claim 13 further including:
computer code for causing the static initializer to run, wherein the static initializer is caused to run by a second opcode.

15. A computer program product as recited in claim 14 further including:
computer code for resuming execution at the second opcode after the static initializer has run.

16. A computer program product as recited in claim 12 wherein using the native method enables the static initializer to execute without re-entering an interpreter.

17. A computer program product as recited in claim 12 wherein the native C code includes code for identifying the static initializer.

Should the Examiner have any questions regarding this Preliminary Amendment, please do not hesitate to contact the undersigned.

Respectfully submitted,

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